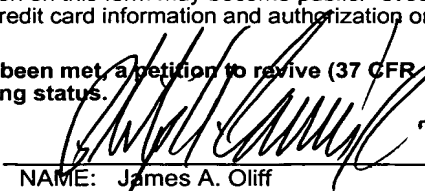


FORM PTO-1390 US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE (REV. 01-2003)		ATTORNEY'S DOCKET NUMBER 123418
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/530,349
INTERNATIONAL APPLICATION NO. PCT/JP03/12875	INTERNATIONAL FILING DATE October 8, 2003	PRIORITY DATE CLAIMED October 9, 2002
TITLE OF INVENTION COMPOSITION FOR FORMING ANTI-REFLECTIVE COATING FOR USE IN LITHOGRAPHY		
APPLICANTS FOR DO/EO/US Takahiro KISHIOKA; Ken-ichi MIZUSAWA; Tomoyuki ENOMOTO; Rikimaru SAKAMOTO; Keisuke KANAYAMA; Yasuo KAWAMURA		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). c. <input type="checkbox"/> The International Application was filed in English. 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: 11 references; 5 English language abstracts; 5 English language computer generated translations.		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 10/530,349		INTERNATIONAL APPLICATION NO. PCT/JP03/12875		ATTORNEY'S DOCKET NUMBER 123418	
21. <input type="checkbox"/> The following fees are submitted:				CALCULATIONS	
				PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492(a)): \$ 300.00				\$	
SEARCH FEE (37 CFR 1.492(b)(1)-(3)):				\$	
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA..... \$ 100.00					
International search report provided to USPTO no later than the time at which the search fee is paid \$ 400.00					
All situations not provided for above \$ 500.00					
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):				\$	
International preliminary examination report prepared by the USPTO as IPEA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage \$ 100.00					
All situations not provided for above \$ 200.00					
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
TOTAL PAGES OF APPLICATION OVER 100 (- 100)	÷ 50	= †	x 250 =	\$	
†round up to next integer					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
TOTAL CLAIMS	- 20	=	x 50.00 =	\$	
INDEPENDENT CLAIMS	- 3	=	x 200.00 =	\$	
MULTIPLE DEPENDENT CLAIM(S)(if applicable)			+ 360.00 =	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
TOTAL FEES ENCLOSED =				\$	
				Amount to be refunded:	\$
				charged:	\$
a. <input type="checkbox"/> Check No. _____ in the amount of \$_____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0461</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944			<div style="text-align: center;">  NAME: James A. Oliff REGISTRATION NUMBER: 27,075 </div>		
Date <u>May 9, 2005</u>			<div style="text-align: center;"> NAME: Philip A. Caramanica, Jr. REGISTRATION NUMBER: 51,528 </div>		

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 123418		APPLICATION NO. 10/530,349	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANTS Takahiro KISHIOKA et al.			
				FILING DATE April 27, 2005			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
	1.	5,919,599	07/06/1999	Jim MEADOR et al.			
	2.	5,693,691	12/02/1997	Tony D. FLAIM et al.			
	3.	6,323,310 B1	11/27/2001	Rama PULIGADDA et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
	4.	JP-A-11-511194 w/ trans.	09/28/1999	JAPAN			
	5.	JP-A-10-186671 w/ abst. & trans.	07/14/1998	JAPAN			
	6.	JP-A-2000-187331 w/ abst. & trans.	07/04/2000	JAPAN			
	7.	JP-A-11-279523 w/ abst. & trans.	10/12/1999	JAPAN			
	8.	JP-A-10-204110 w/ abst. & trans.	08/04/1998	JAPAN			
	9.	WO 02/086624 w/ abst.	10/31/2002	WIPO			
	10.	EP 1 298 492 A2	04/02/2003	EUROPEAN PATENT OFFICE			
	11.	EP 1 298 493 A2	04/02/2003	EUROPEAN PATENT OFFICE			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	13.	Tom LYNCH et al; "Properties and Performance of Near UV Reflectivity Control Layers"; <i>Advances in Resist Technology and Processing XI</i> , Omkaram Nalamasu ed., <i>Proceedings of SPIE</i> ; Vol. 2195; 1994; pp. 225-229.					
	14.	G. TAYLOR et al.; "Methacrylate Resists and Antireflective Coatings for 193 nm Lithography"; <i>Microlithography 1999: Advances in Resist Technology and Processing XVI</i> , Will Conley ed., <i>Proceedings of SPIE</i> ; Vol. 3678; 1999; pp. 174-185.					
	15.	Jim D. MEADOR et al.; "Recent Progress in 193 nm Antireflective Coatings"; <i>Microlithography 1999: Advances in Resist Technology and Processing XVI</i> , Will Conley ed., <i>Proceedings of SPIE</i> ; Vol. 3678; 1999; pp. 800-809.					
EXAMINER					DATE CONSIDERED		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: May 9, 2005

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Takahiro KISHIOKA et al.

Application No.: 10/530,349

Filed: April 27, 2005

Docket No.: 123418

For: COMPOSITION FOR FORMING ANTI-REFLECTIVE COATING FOR USE IN
LITHOGRAPHY

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the references is discussed in the present specification.
- ☒ 3. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- ☒ 4. English language Abstracts of references 5-9 are attached hereto.
- ☒ 5. Computer-generated English language translations of the following Japanese references have been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and are attached, but have not been reviewed for accuracy. See References 4-8.

Respectfully submitted,


James A. Oliff

Registration No. 27,075

Philip A. Caramanica, Jr.

Registration No. 51,528

JAO:PAC/nxy

Date: May 9, 2005

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